



PCT09

RAW SEQUENCE LISTING

DATE: 08/27/2002

PATENT APPLICATION: US/09/719,261B

TIME: 10:44:07

Input Set : A:\Mewburn-Matassa ('261) Sequence Listing.txt

Output Set: N:\CRF4\08272002\I719261B.raw

4 <110> APPLICANT: Istituto Di Ricerche Di Biologia Molecolare P. Angeletti SpA
5 Matassa, Victor
6 Narjes, Frank
7 Koehler, Konrad
8 Ontoria, Jesus
9 Poma, Marco
11 <120> TITLE OF INVENTION: Peptide inhibitors of hepatitis C virus NS3 protease
13 <130> FILE REFERENCE: KMN/FP5780044
15 <140> CURRENT APPLICATION NUMBER: 09/719,261B
C--> 16 <141> CURRENT FILING DATE: 2002-07-02
18 <150> PRIOR APPLICATION NUMBER: PCT/GB99/01824
19 <151> PRIOR FILING DATE: 1999-06-09
21 <150> PRIOR APPLICATION NUMBER: GB 9812523.0
22 <151> PRIOR FILING DATE: 1998-06-10
24 <160> NUMBER OF SEQ ID NOS: 13
26 <170> SOFTWARE: PatentIn Ver. 2.1
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 4
31 <212> TYPE: PRT
32 <213> ORGANISM: Artificial Sequence
34 <220> FEATURE:
35 <221> NAME/KEY: SITE
36 <222> LOCATION: (1)
37 <223> OTHER INFORMATION: Xaa is diphenylalanine
39 <220> FEATURE:
40 <221> NAME/KEY: SITE
41 <222> LOCATION: (3)
42 <223> OTHER INFORMATION: Xaa is cyclohexylalanine
44 <220> FEATURE:
45 <221> NAME/KEY: SITE
46 <222> LOCATION: (4)
47 <223> OTHER INFORMATION: Xaa is 4,4-difluoro-2-amino butyric acid
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
51 sequence
53 <400> SEQUENCE: 1
54 Xaa Glu Xaa Xaa
55 1
64 <210> SEQ ID NO: 2
65 <211> LENGTH: 6
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:

*see
p.6*

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/719,261B

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Input Set : A:\Mewburn-Matassa ('261) Sequence Listing.txt

Output Set: N:\CRF4\08272002\I719261B.raw

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70 <221> NAME/KEY: SITE
71 <222> LOCATION: (6)
72 <223> OTHER INFORMATION: Xaa is 4,4-difluoro-2-amino butyric acid
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
76     sequence
78 <400> SEQUENCE: 2
79 Asp Glu Met Glu Glu Xaa
80     1             5
83 <210> SEQ ID NO: 3
84 <211> LENGTH: 6
85 <212> TYPE: PRT
86 <213> ORGANISM: Artificial Sequence
88 <220> FEATURE:
89 <221> NAME/KEY: SITE
90 <222> LOCATION: (3)
91 <223> OTHER INFORMATION: Xaa is diphenylalanine
93 <220> FEATURE:
94 <221> NAME/KEY: SITE
95 <222> LOCATION: (5)
96 <223> OTHER INFORMATION: Xaa is cyclohexylalanine
98 <220> FEATURE:
99 <221> NAME/KEY: SITE
100 <222> LOCATION: (6)
101 <223> OTHER INFORMATION: Xaa is 4,4-difluoro-2-amino butyric acid
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
105     sequence
107 <400> SEQUENCE: 3
108 Asp Glu Xaa Glu Xaa Xaa
109     1             5
112 <210> SEQ ID NO: 4
113 <211> LENGTH: 6
114 <212> TYPE: PRT
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <221> NAME/KEY: SITE
119 <222> LOCATION: (3)
120 <223> OTHER INFORMATION: Xaa is diphenylalanine
122 <220> FEATURE:
123 <221> NAME/KEY: SITE
124 <222> LOCATION: (5)
125 <223> OTHER INFORMATION: Xaa is cyclohexylalanine
127 <220> FEATURE:
128 <221> NAME/KEY: SITE
129 <222> LOCATION: (6)
130 <223> OTHER INFORMATION: Xaa is a any amino acid
132 <220> FEATURE:
133 <221> NAME/KEY: MOD_RES

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DATE: 08/27/2002

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Input Set : A:\Mewburn-Matassa ('261) Sequence Listing.txt

Output Set: N:\CRF4\08272002\I719261B.raw

134 <222> LOCATION: (6)
135 <223> OTHER INFORMATION: fluorinated hydrocarbon side chain
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
139 sequence
141 <400> SEQUENCE: 4
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143 1 5
146 <210> SEQ ID NO: 5
147 <211> LENGTH: 6
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <221> NAME/KEY: SITE
153 <222> LOCATION: (6)
154 <223> OTHER INFORMATION: Xaa is a any amino acid
156 <220> FEATURE:
157 <221> NAME/KEY: MOD_RES
158 <222> LOCATION: (6)
159 <223> OTHER INFORMATION: fluorinated hydrocarbon side chain
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
163 sequence
165 <400> SEQUENCE: 5
OK-> 166 Asp Glu Met Glu Xaa
167 1 5
170 <210> SEQ ID NO: 6
171 <211> LENGTH: 5
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
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176 <221> NAME/KEY: SITE
177 <222> LOCATION: (1)
178 <223> OTHER INFORMATION: Asp as tertiary butyl ester
180 <220> FEATURE:
181 <221> NAME/KEY: SITE
182 <222> LOCATION: (2, 4, 5)
183 <223> OTHER INFORMATION: Glu as tertiary butyl ester
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
187 sequence
190 <400> SEQUENCE: 6
191 Asp Glu Met Glu Glu
192 1 5
195 <210> SEQ ID NO: 7
196 <211> LENGTH: 5
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 08/27/2002

PATENT APPLICATION: US/09/719,261B

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Input Set : A:\Mewburn-Matassa ('261) Sequenc Listing.txt

Output Set: N:\CRF4\08272002\I719261B.raw

201 <221> NAME/KEY: SITE
 202 <222> LOCATION: (1)
 203 <223> OTHER INFORMATION: Asp as tertiary butyl ester
 205 <220> FEATURE:
 206 <221> NAME/KEY: SITE
 207 <222> LOCATION: (2, 4)
 208 <223> OTHER INFORMATION: Glu as tertiary butyl ester
 210 <220> FEATURE:
 211 <221> NAME/KEY: SITE
 212 <222> LOCATION: (3)
 213 <223> OTHER INFORMATION: Xaa is diphenylalanine
 215 <220> FEATURE:
 216 <221> NAME/KEY: SITE
 217 <222> LOCATION: (5)
 218 <223> OTHER INFORMATION: Xaa is cyclohexylalanine
 220 <220> FEATURE:
 221 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 224 <400> SEQUENCE: 7
 225 Asp Glu Xaa Glu Xaa
 226 1 5
 229 <210> SEQ ID NO: 8
 230 <211> LENGTH: 17
 231 <212> TYPE: PRT
 232 <213> ORGANISM: Artificial Sequence
 234 <220> FEATURE:
 235 <221> NAME/KEY: MOD_RES
 236 <222> LOCATION: (17)
 237 <223> OTHER INFORMATION: AMIDATION
 239 <220> FEATURE:
 240 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 241 sequence
 243 <400> SEQUENCE: 8
 244 Lys Lys Lys Gly Ser Val Val Ile Val Gly Arg Ile Ile Leu Ser Gly
 245 1 5 10 15
 247 Arg
 253 <210> SEQ ID NO: 9
 254 <211> LENGTH: 13
 255 <212> TYPE: PRT
 256 <213> ORGANISM: Artificial Sequence
 258 <220> FEATURE:
 259 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 260 sequence
 262 <400> SEQUENCE: 9
 263 Asp Glu Met Glu Cys Ala Ser His Leu Pro Tyr Lys
 264 1 5 10
 267 <210> SEQ ID NO: 10
 268 <211> LENGTH: 4
 269 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 08/27/2002

PATENT APPLICATION: US/09/719,261B

TIME: 10:44:07

Input Set : A:\Mewburn-Matassa ('261) Sequence Listing.txt

Output Set: N:\CRF4\08272002\I719261B.raw

270 <213> ORGANISM: Artificial Sequence
272 <220> FEATURE:
273 <221> NAME/KEY: SITE
274 <222> LOCATION: (1)..(3)
275 <223> OTHER INFORMATION: Phenylalanines are linked by an ether bond
277 <220> FEATURE:
278 <221> NAME/KEY: SITE
279 <222> LOCATION: (4)
280 <223> OTHER INFORMATION: Xaa is 4,4-difluoro-2-amino butyric acid
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
284 sequence
286 <400> SEQUENCE: 10
W-12 287 Phe Glu Phe Xaa
288 1
291 <210> SEQ ID NO: 11
292 <211> LENGTH: 6
293 <212> TYPE: PRT
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <221> NAME/KEY: SITE
298 <222> LOCATION: (3)
299 <223> OTHER INFORMATION: Xaa is diphenylalanine
301 <220> FEATURE:
302 <221> NAME/KEY: SITE
303 <222> LOCATION: (5)
304 <223> OTHER INFORMATION: Xaa is cyclohexylalanine
306 <220> FEATURE:
307 <221> NAME/KEY: SITE
308 <222> LOCATION: (6)
309 <223> OTHER INFORMATION: Xaa is 3-amino-5,5-difluoro-pentanoic acid
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
313 sequence
316 <400> SEQUENCE: 11
W-13 317 Asp Glu Xaa Glu Xaa Xaa
318 1 5
321 <210> SEQ ID NO: 12
322 <211> LENGTH: 5
323 <212> TYPE: PRT
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <221> NAME/KEY: SITE
328 <222> LOCATION: (2)
329 <223> OTHER INFORMATION: Xaa is diphenylalanine
331 <220> FEATURE:
332 <221> NAME/KEY: SITE
333 <222> LOCATION: (4)
334 <223> OTHER INFORMATION: Xaa is cyclohexylalanine

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/719,261B

DATE: 08/27/2002
TIME: 10:44:08

Input Set : A:\Mewburn-Matassa ('261) Sequence Listing.txt
Output Set: N:\CRF4\08272002\I719261B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,3,4
Seq#:2; Xaa Pos. 6
Seq#:3; Xaa Pos. 3,5,6
Seq#:4; Xaa Pos. 3,5,6
Seq#:5; Xaa Pos. 6
Seq#:7; Xaa Pos. 3,5
Seq#:10; Xaa Pos. 4
Seq#:11; Xaa Pos. 3,5,6
Seq#:12; Xaa Pos. 2,4,5
Seq#:13; Xaa Pos. 3,5,6